Body_Surface_Area

In physiology and medicine, the **body surface area (BSA)** is the measured or calculated surface area of a human body. Used for clinical purposes.

There are multiple formula as shown below

(W = Weight in kg, H = Height in cm)

Mosteller Formula	$\frac{\sqrt{W \times H}}{60}$
Haycock Formula	$0.024265 \times W^{0.5378} \times H^{0.3964}$
Boyd Formula	$0.0333 \times W^{(0.6157 - 0.0188 \log_{10} W)} \times H^{0.3}$

Write a program that input weight and height, and then show output of body surface area values calculated from 3 formulas shown above

Input

First line input weight value in kilogram unit as a real number

Second line input height value in centimeter unit as a real number

Output

Show body surface area values of Monsteller, Haycock, and Boyd on different line.

Example

Input (from keyboard)	Output (on screen)
56 173	1.6404606399152375 1.6304868174022364 1.632155747802396
60 170	1.6832508230603465 1.680428314258862 1.6863370568707923
80.0 150.0	1.8257418583505538 1.8666576124395382 1.9007070607658065